

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A temperature control method for a refrigerator comprising:

providing a valve device, in which an inflow port where a refrigerant flows into, at least two outflow ports having a first outflow port and a second outflow port where the refrigerant flows out, and a valve element for performing opening/closing of the outflow ports are positioned in a sealed space;

providing a valve element drive device for driving the valve element; and

controlling the valve element drive device, at the time a power source of the refrigerator is turned on, to reciprocate between a first mode as on an OPEN-CLOSE mode side where the first outflow port is in an open state and the second outflow port is in a closed state and a second mode as on a CLOSE-OPEN mode side where the first outflow port is in a closed state and the second outflow port is in an open state until a temperature in a first chamber where the refrigerant is supplied through the first outflow port, and a temperature in a second chamber where the refrigerant is supplied through the second outflow port, are lowered to reach to a prescribed temperature.

2. (Original) The temperature control method for a refrigerator according to claim 1, further comprising separating the first outflow port and the second outflow port not more than 5mm.

3. (Original) The temperature control method for a refrigerator according to claim 1, further comprising:

defining the first mode as the OPEN-CLOSE mode where the first outflow port is in the open state and the second outflow port is in the closed state; and

defining the second mode as the CLOSE-OPEN mode where the first outflow port is in the closed state and the second outflow port is in the open state.

4. (Original) The temperature control method for a refrigerator according to claim 1, further comprising arranging a CLOSE-CLOSE mode where both of the first outflow port and the second outflow port are in the closed state, except a position between the OPEN-CLOSE mode and the CLOSE-OPEN mode.

5. (Original) The temperature control method for a refrigerator according to claim 1, further comprising:

defining the first mode as a mode where the first outflow port is in the open state and the second outflow port is in a nearly closed state; and

defining the second mode as a mode where the first outflow port is in a nearly closed state and the second outflow port is in the open state.

6. (Original) The temperature control method for a refrigerator according to claim 1, further comprising:

defining the first mode as a mode where the first outflow port is in the open state and the second outflow port is in a somewhat opened state; and

defining the second mode as a mode where the first outflow port is in a somewhat opened state and the second outflow port is in the open state.

7. (Original) The temperature control method for a refrigerator according to claim 1, further comprising gradually performing the opening/closing of the first outflow port and the second outflow port by the valve element.

8. (Original) The temperature control method for a refrigerator according to claim 1, further comprising providing a pause period for 5 to 10 seconds after the modes of the first outflow port and the second outflow port have been changed.

9. (Original) The temperature control method for a refrigerator according to claim 1, further comprising:

setting a ratio of a continuing period of the first mode and a continuing period of the second mode corresponding to a ratio of a volume of the first chamber and a volume of the second chamber in advance; and

controlling the valve element drive device according to the continuing period of the first mode and the continuing period of the second mode.

10. (Currently Amended) A temperature control method for a refrigerator comprising:

providing a valve device, in which an inflow port where a refrigerant flows into, at least two outflow ports having a first outflow port and a second outflow port where the refrigerant flows out, and a valve element for performing opening/closing of the outflow ports are positioned in a sealed space;

providing a valve element drive device for driving the valve element; and

controlling the valve element drive device, at the time a power source of the refrigerator is turned on, to reciprocate between a first state on an OPEN-CLOSE mode where an opening degree of the first outflow port is larger than that of the second outflow port, and a second state on a CLOSE-OPEN mode where the opening degree of the second outflow port is larger than that of the first outflow port, in an OPEN-OPEN mode where both of the first outflow port and the second outflow port are in an open state, until the temperature in a first chamber and the temperature in a second chamber are lowered to reach a prescribed temperature.

11. (Original) The temperature control method for a refrigerator according to claim 10, further comprising:

arranging the OPEN-OPEN mode between an OPEN-CLOSE mode where the first outflow port is in an open state and the second outflow port is in a closed state, and the CLOSE-OPEN mode where the first outflow port is in a closed state and the second outflow port is in an open state.

12. (Original) The temperature control method for a refrigerator according to claim 10, further comprising gradually performing when the first state is changed to the second state and the second state is changed to the first state.

13. (Original) The temperature control method for a refrigerator according to claim 10, further comprising providing a pause period for 5 to 10 seconds after the first state is changed to the second state and the second state is changed to the first state

14. (Original) The temperature control method for a refrigerator according to claim 10, further comprising:

setting a ratio of a continuing period of the first state and a continuing period of the second state corresponding to a ratio of a volume in the first chamber and a volume in the second chamber in advance,

controlling the valve element drive device according to the continuing period of the first state and the continuing period of the second state.

15. (Currently Amended) A temperature control device for a refrigerator comprising:

a valve device, in which an inflow port where a refrigerant flows into, at least two outflow ports having a first outflow port and a second outflow port where the refrigerant flows out;

a valve element that performs opening/closing of the outflow ports are positioned in a sealed space; and

a valve element drive device that drives the valve element and controls the valve element drive device, at the time a power source of the refrigerator is turned on, to reciprocate between a first mode ~~as~~ on an OPEN-CLOSE mode side where the first outflow port is in an open state and the second outflow port is in a closed state and a second mode on a CLOSE-OPEN mode side where the first outflow port is in a closed state and the second outflow port is in an open state until a temperature in a first chamber where the refrigerant is supplied through the first outflow port, and a temperature in a second chamber where the refrigerant is supplied through the second outflow port, are lowered to reach to a prescribed temperature.

16. (Original) The temperature control device for a refrigerator according to claim 15, wherein a separate distance between the first outflow port and the second outflow port is set to be not more than 5mm.

17. (Original) The temperature control device for a refrigerator according to claim 15, wherein the first mode is the OPEN-CLOSE mode where the first outflow port is in the open state and the second outflow port is in the closed state, and the second mode is the CLOSE-OPEN mode where the first outflow port is in the closed state and the second outflow port is in the open state.

18. (Original) The temperature control device for a refrigerator according to claim 15, wherein the first mode is a mode where the first outflow port is in the open state and the second outflow port is in a nearly closed state, and the second mode is a mode where the first outflow port is in a nearly closed state and the second outflow port is in the open state.

19. (Original) The temperature control device for a refrigerator according to claim 15, wherein the first mode is a mode where the first outflow port is in the open state and the second outflow port is in a somewhat opened state, and the second mode is a mode where the first outflow port is in a somewhat opened state and the second outflow port is in the open state.

20. (Original) The temperature control device for a refrigerator according to claim 15, wherein the valve element gradually performs the opening/closing of the first outflow port and the second outflow port.

21. (New) The temperature control method for a refrigerator according to claim 1, the method further comprising providing a pause period after the first mode is repeatedly changed to the second mode and after the second mode is repeatedly changed to the first mode.

22. (New) The temperature control method for a refrigerator according to claim 10, the method further comprising providing a pause period after the first state is repeatedly changed to the second state and after the second state is repeatedly changed to the first state.